

IN THE CLAIMS:

1.(Amended) A treated substrate comprising

a finish comprising compounds selected from the group consisting of metal particle-containing compounds, metal ion-containing compounds, metal-ion generating compounds, and any combinations thereof, and

171 a substrate selected from the group consisting of a yarn, a fabric comprised of individual fibers, and a film;

wherein said finish is adhered to at least one portion of the surface of said substrate through the aid of at least one binder compound;

wherein said at least one portion of said treated substrate retains at least about 50% of said adhered to finish after 10 washes as performed in accordance with the wash procedure of AATCC Test Method 130-1981; and

wherein said treated substrate is electrically non-conductive; wherein if said metal is zinc, then at least one hydrophilic binder compound at least one hydrophobic binder compound are present adhering said zinc compound to said substrate; and wherein said finish exhibits antimicrobial properties.

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Cancel Claims 11-14 for filing within a divisional application.

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15.(Amended) A treated substrate comprising

a non-electrically conductive treatment comprising metal-containing compounds selected from the group consisting of metal particle-containing compounds, metal ion-containing compounds, and any combinations thereof,

and a substrate selected from the group consisting of a yarn, a fabric comprised of individual yarns, and a film;

wherein said compound or compounds is adhered to at least a portion of the surface of said substrate; and

wherein said at least a portion of the surface of said substrate exhibits a) a log kill rate for *Staphylococcus aureus* of at least 1.5 and b) a log kill rate for *Klebsiella pneumoniae* of at least 1.5, both as tested in accordance with AATCC Test Method 100-1993 for 24 hour exposure, and c) retention of at least about 50% of said adhered to finish, all after at least 10 washes, said washes performed in accordance with the wash procedure as part of AATCC Test Method 130-1981; and

wherein if said metal is zinc, then at least one hydrophilic binder compound at least one hydrophobic binder compound are present adhering said zinc compound to said substrate.

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Cancel Claims 25-28 for filing within a divisional application.